

DECISION OF THE INTELLECTUAL PROPERTY OFFICE

(TRANSLATION)

Issuance Date: 12 January 2001

1. Application No.: 089108380
International Classification: A47L23/22
2. Title: "Advanced Floor Mat"
3. Applicant: Tech Mats, LLC
Address: U.S.A.
4. Attorney: C. V. Chen
Address: 7th Floor, No. 201, Tun Hua North Road, Taipei
5. Filing Date: 3 May 2000
6. Priority Claim:
 - 1 2000/04/19 USSN 09/553,234
 - 2 1999/10/15 USSN 09/418,752
 - 3 1999/05/04 USSN 09/304,051
7. Examiner: Kwang-Chuon Wei
8. Contents of Decision:

SUBJECT: The subject matter shall not be granted a patent.

BASIS: Paragraph 2, Article 20 of the Patent Law.

REASONS:

- (1) The floor mat of the subject invention comprises a base portion having a non-tacky surface and adapted for receiving the soles of a person's shoes thereon; and a cleanable portion associated with the base portion having a tacky surface for receiving the soles of the shoes thereon.

- (2) ROC Patent Publication No. 328711 published in ROC Patent Gazette on 21 March 1998 (see enclosure) has already disclosed a "Novel Floor Mat Assembly" comprising a base construction having a non-tacky surface for receiving the soles of a person's shoes thereon, and a cleanable floor mat that has slots for engaging the frame elements of the base construction and a tacky surface for receiving the soles of the shoes thereon. Therefore, the technical concept underlying the subject invention as to providing a floor mat by combining a base portion and a cleanable portion has been disclosed in the cited reference. Though a variety of embodiments are provided in the subject invention, they are considered the simple modification or combination in view of the conventional technical concept and commonly known designing knowledge. The subject invention is not a high level innovation of technical concepts by which natural rules are utilized, and can be easily accomplished by persons skilled in the art by simply utilizing conventional technology known prior to applying for patent. The subject invention is devoid of an inventive step.

In view of the above, the application does not meet the provisions of Paragraph 2, Article 20 of the Patent Law and patent rights are not granted thereto.

Sealed By

Chen, Ming-Bang
Commissioner

Note: If dissatisfied with the decision, the applicant may file a request for re-examination within 30 days following the date of receipt of this decision.

- [11] Publication No. 328771
- [44] Publication Date: 21 March 1998
- [51] IPC: A47L23/22
Category of Patent: New Utility Model
- [54] Title of Invention: Novel Floor Mat Assembly
- [21] Patent Application No. 86214417
- [22] Filing Date: 23 August 1997
- [72] Inventor: Young-Long Lin
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Taiwan, R.O.C.
- [74] Patent Agent: Lian-Cheu Chang
- [57] Claim:

1. A novel floor mat assembly, in construction, comprising:

a plurality of extruded profiles (10) each having an upper portion formed with an engaging slot (12) for receiving a piece of soft material (60) of a floor mat, two opposite sides each formed with a "⌋"-shaped connecting slot (14), at least a support (16) formed below the engaging slot (12), and a lower recess (18) formed between every two adjacent supports (16);

a non-metallic and soft inter-connecting element (20) having two opposite sides each formed with a conical body (22) for engaging the connecting slot (14), and a bottom formed with a tooth-like surface (24) for contacting with a ground surface;

a left and a right side frame elements (30) each having a outward slant (31) and a conical body (32) inward extending for engaging the connecting slot (14); and

a front and a rear frame elements (40) each having an outward slant (41) and a tab (42) inward extending to the lower recess (18) and riveted and fixed to an upper wall (19) of the lower recess (18).

2. The novel floor mat assembly of Claim 1, wherein the inter-connecting element (20) is made of soft material, such as rubber, plastic or the like, and formed with a central hole (25) for enhancing a cushioning effect.
3. The novel floor mat assembly of Claim 1, wherein one of the side frame elements (50) is formed with a "J"-shaped connecting slot (52) at its outer edge, a tooth-like surface (51) on its upper surface, and a conical body (53) at its inner edge; wherein the conical body (51) is adapted to engage the connecting slot (52) as desired, and the "J"-shaped connecting slot (52) is adapted to engage the conical body (53) of the left or right side frame element.
4. The novel floor mat assembly of Claim 1, wherein the left and right side frame elements (30) and the front and rear frame elements (40) each are formed with a tooth-like surface (33) at its bottom, hollow through holes (34) within its interior and a protruding pattern (35) on the slant (31, 41).

Brief Description of the Accompanying Drawings:

- Fig. 1 is a perspective view of a single extruded profile of the present invention;
- Fig. 2 is a perspective view of the connecting element of the present invention;
- Fig. 3 is a perspective view of the embodiment of the present invention with a partial parts being cut off;
- Fig. 4 is a plan view of the extruded profile and side frame elements of the present invention;
- Fig. 5 is a fragmentally cross-sectional view taken along Line A-A of Fig. 5;
- Fig. 6 is a schematically cross-sectional view showing that the tabs of the front and rear frame elements engaging the extruded profile; and
- Fig. 7 is a perspective view of the side frame element of the present invention.

中華民國專利公報 (19)(12)

(11) 公告編號: 328711

(44) 中華民國87年(1998)03月21日

(51) Int. Cl. 6: A47L23/22

新 型

全 5 頁

第 89108380 號
初審(訴願)引証附件
再審

(54) 名 稱: 新型組合腳踏墊

(21) 申 請 案 號: 86214417

(22) 申請日期: 中華民國86年(1997)08月23日

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(74) 代 理 人: 張良舉 先生

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[57] 申請專利範圍:

1. 一種新型組合腳踏墊, 依結構乃包含:
 - 一複數之擠型體基材上方形成供地墊軟性材料嵌接之嵌接槽, 雙側邊形成側視為U形的連結槽, 嵌接槽之下方形成至少一支以上之凸腳, 每相鄰之二凸腳間形成一下凹槽;
 - 一非金屬製之軟性銜接體其二側形成一錐形體可卡接入連結槽中, 底部形成具有棘齒狀面可接觸於地板上;
 - 一左、右側收邊條其外表面係呈斜面, 而內側銜接端亦設有延伸狀之錐形體可卡掣入連結槽中;
 - 一前、後側收邊條其外表面係斜面, 而內側銜接端係呈凸片可延伸下凹槽並由拉釘(或鉚釘)固定下凹槽之上槽壁上為其特徵。
2. 依據申請專利範圍第1項所述之新型組合腳踏墊, 其中銜接體係橡膠或塑膠等軟性材質製成, 其中央設有空洞可增加受力之緩衝效果者。

3. 依據申請專利範圍第1項所述之新型組合腳踏墊, 其中一側邊條其外側呈U形的連結槽, 上方可依需要設棘齒面, 內側設有錐形體, 該錐形體可依據施工之必要卡掣入連結槽中, 而U形的連結槽可依需要與左、右側收邊條之錐形體相卡掣配合者。
4. 依據申請專利範圍第1項所述之新型組合腳踏墊, 其中左、右側收邊條及前、後側收邊條之底面設有棘齒面且內部設有中空洞, 而斜面設有凸紋路者。

圖示簡單說明:

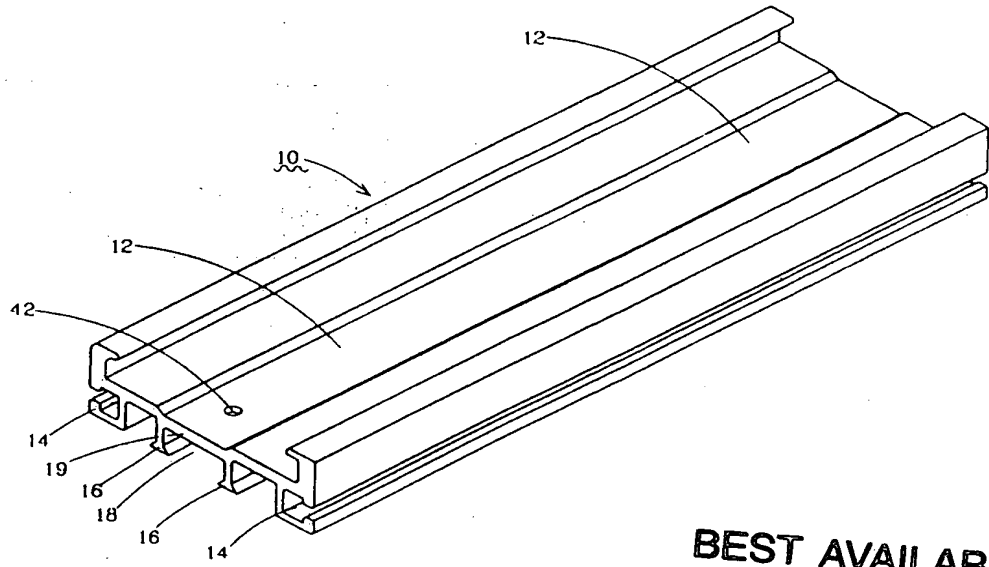
- 第一圖為本創作單獨擠型體基材之立體圖。
15. 第二圖為本創作連接體之立體圖。
- 第三圖為本創作實施例之局部斷面立體圖。
- 第四圖為本創作擠型體基材與邊條凸體之平面圖。
20. 第五圖為沿第四圖 A-A 之局部斷

面圖。

第六圖為前、後側收邊條其凸片與

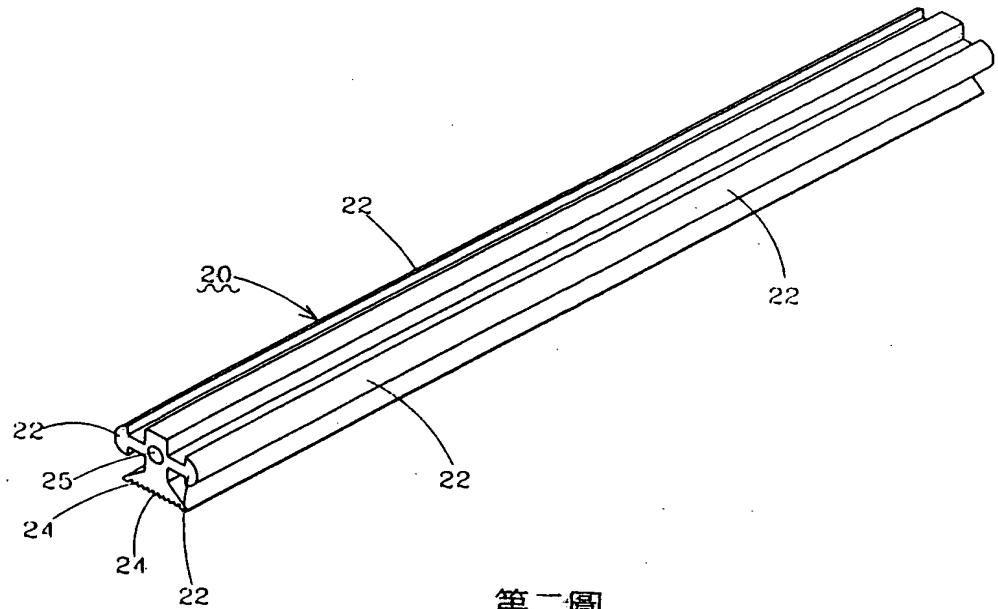
基材結合之斷面示意圖 (A)(B)。

第七圖為本創作側邊條之立體圖。

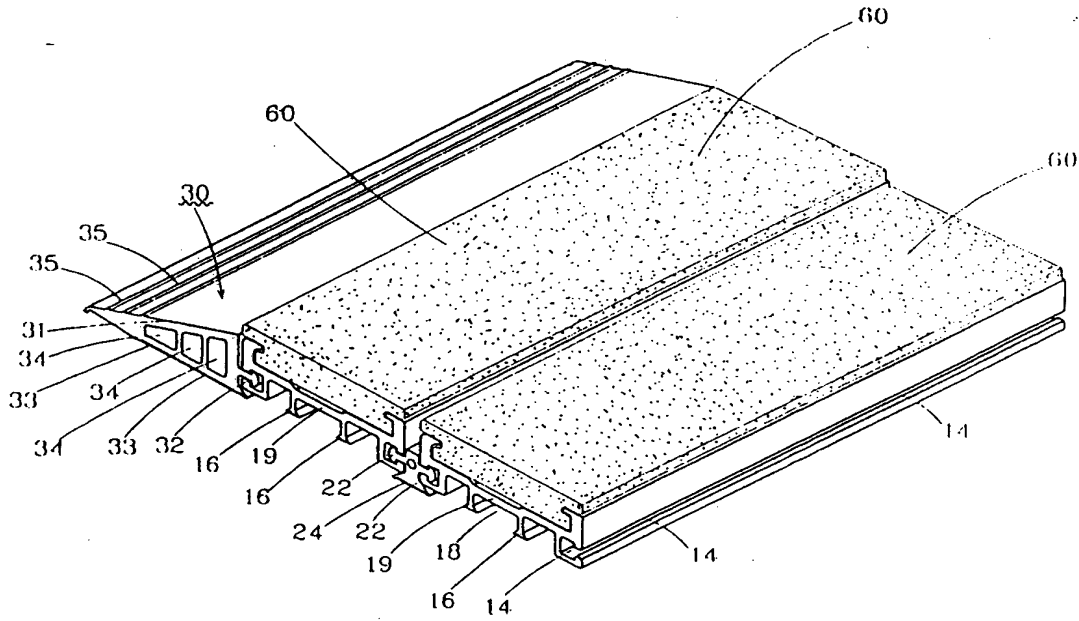


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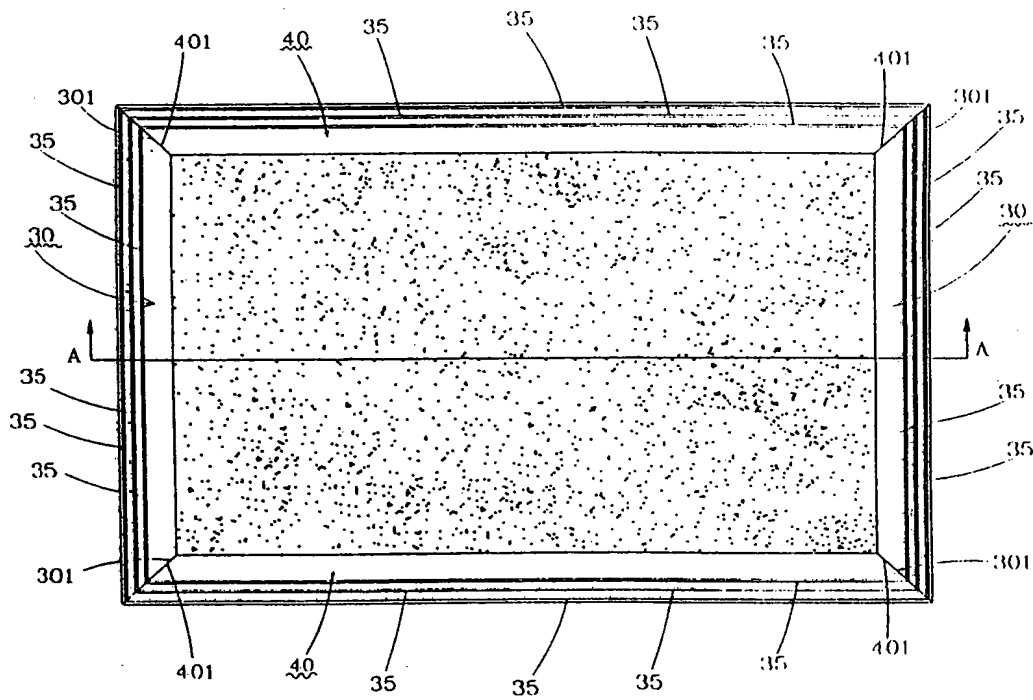
第一圖



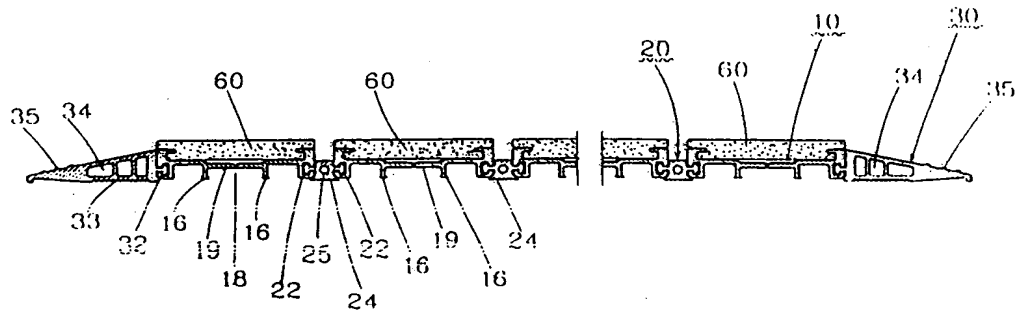
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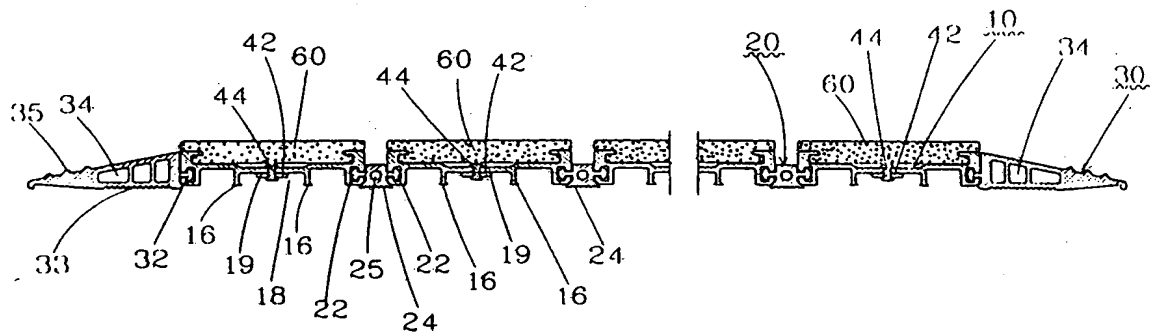
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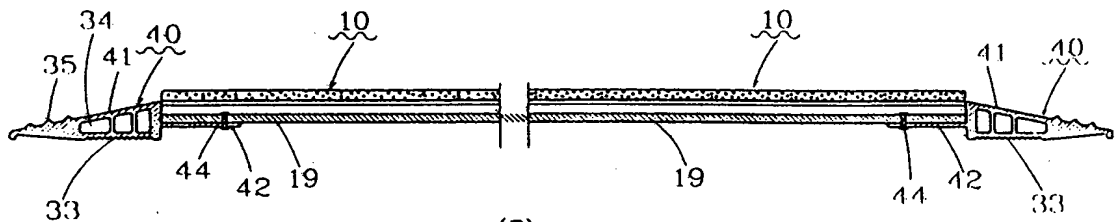
第四圖



第五圖



(A)

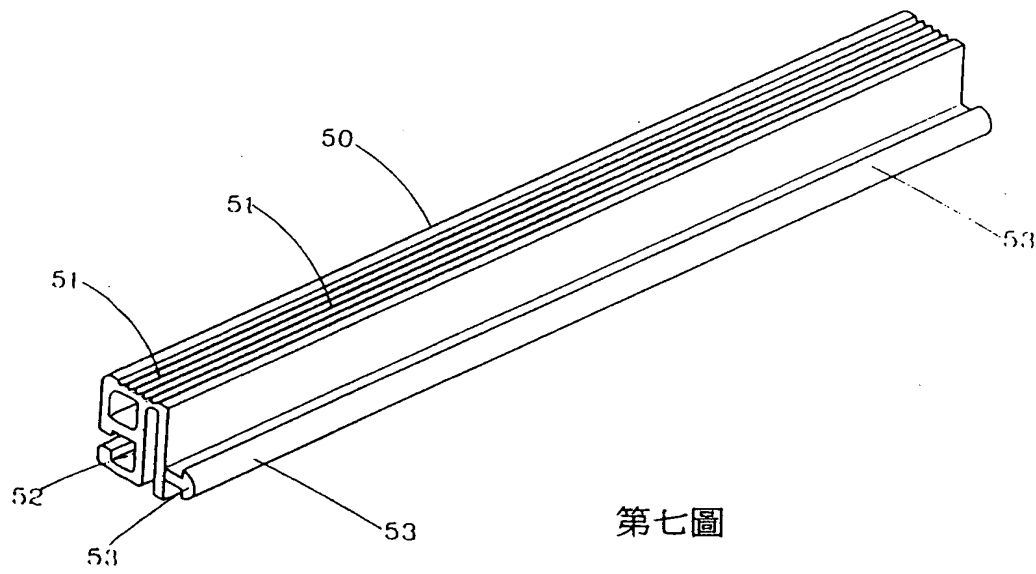


(B)

第六圖

(5)

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第七圖